

WHAT IS CLAIMED IS:

1. An inkjet recording sheet comprising at least one layer containing a cationic particulate organic component on a sheetsupport, wherein the layer containing the cationic particulate organic  
5 component comprises a void-forming component consisting substantially of a cationic particulate organic component selected from the group consisting of (meth)acrylate (co)polymers, methyl methacrylate-butadiene copolymers, styrene-butadiene copolymers, ethylene-vinyl acetate copolymers and olefinic polymers, and  
10 copolymers of two or more of these, which are endowed with a cationic function.

2. The inkjet recording sheet as claimed in Claim 1, wherein the cationic particulate organic component is a thermoplastic particulate resin.

15 3. The inkjet recording sheet as claimed in Claim 1 or 2, wherein the cationic particulate organic component is a cationic particulate emulsion prepared by copolymerizing (A) an alkyl (meth)acrylate, (B) an amino group containing (meth)acrylate monomer and (C) other copolymerizable monomer.

20 4. The inkjet recording sheet as claimed in Claim 3, wherein the amounts of (A) the alkyl (meth)acrylate monomer, (B) the amino group containing (meth)acrylate monomer and (C) the other copolymerizable monomer are 30 wt% to 99.8 wt%, 0.2 wt% to 40 wt% and 0 wt% to 30 wt%, respectively, based on the total weight of (A), (B) and (C).

25 5. The inkjet recording sheet as claimed in any of Claims 1 to 4, wherein the glass transition temperature of the cationic particulate

organic component is 65 °C to 200 °C both inclusive.

6. The inkjet recording sheet as claimed in any of Claims 1 to 5, wherein the weight average molecular weight of the cationic particulate organic component is 60000 or more.

5 7. The inkjet recording sheet as claimed in any of Claims 1 to 6, wherein the recording sheet has a liquid absorption of 2.00 to 4.00  $\mu\text{L}$  0.1 sec after dropping 4  $\mu\text{L}$  of pure water on its recording surface and has gloss of 50 or more at 75 °.

8. The inkjet recording sheet as claimed in any of Claims 1 to 7, 10 wherein the recording sheet has a liquid absorption per contact area of a droplet of 0.5 to 2.00  $\mu\text{L}/\text{cm}^2$  0.1 sec after dropping 4  $\mu\text{L}$  of pure water on the recording surface of the recording sheet.

9. The inkjet recording sheet as claimed in any of Claims 1 to 8, wherein the layer containing the cationic particulate organic 15 component is the outermost layer of the recording surface.

10. The inkjet recording sheet as claimed in any of Claims 1 to 9, wherein the sheet support is a paper or plastic sheet.

11 The inkjet recording sheet as claimed in any of Claims 1 to 10, wherein the layer containing the cationic particulate organic 20 component contains no inorganic particles.

12 A process for manufacturing the inkjet recording sheet as claimed in any of Claims 1 to 11 wherein a layer containing a cationic particulate component is applied by cast coating, comprising the steps of applying a coating composition containing the cationic particulate 25 organic component on a sheet support and pressing a mirror roll onto the coated surface.

13. The process for manufacturing the inkjet recording sheet as claimed in Claim 12, wherein the surface temperature of the mirror roll is lower than a glass transition temperature of the cationic particulate organic component.

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